ABSTRACT OF THE DISCLOSURE

Dynamic allocation of connections is performed in a communication network. When a new connection request is received by the network management system this request can be accepted or rejected. In case it is accepted, the connection can be set up by allocating new or reconfiguring existing connection resources. The reconfiguration options are constrained to a set of allowed reconfigurations which is a subset of the set of all possible reconfigurations of the existing connections on the network.